

REMARKS

The instant Preliminary Amendment is being submitted in response to a "Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US)" (hereinafter "the Notification of Missing Requirements"), which asserted in part that the Sequence Listing did not comply with the requirements of one or more of 37 C.F.R. 1.821-1.825.

Applicants hereby submit a Substitute Sequence Listing that applicants respectfully submit include the additional information inadvertently missing from the Sequence Listing as filed. The Substitute Sequence Listing is being provided as four (4) copies on CD-ROM, one of which corresponds to the Computer Readable Form (CRF), and three of which correspond to the "Paper" copy of the Substitute Sequence Listing.

Because the Substitute Sequence Listing is being provided on CD-ROM instead of on paper, the instant Preliminary Amendment updates the paragraph beginning on page 1, line 13, to reflect the information relevant to the Substitute Sequence Listing. Please note that in the rewritten paragraph presented hereinabove, language to be added is presented in double underline to distinguish it from the Heading for the paragraph, which is singly underlined. Applicants respectfully request that the Sequence Listing as originally filed be replaced with the Substitute Sequence Listing submitted herewith.

With respect to the additional information inadvertently missing from the Sequence Listing as filed, applicants respectfully submit that this information corresponds to the presence of certain non-standard nucleotides identified as "k", "m", "n", "r", "s", "w", and "y" in SEQ ID NOs: 5, 59, 79, 111, 121, 137, 151, 161, 293, and 303, and certain recitations of "Xaa" found in SEQ ID NOs: 6, 60, 80, 1112, 122, 138, 152, 162, 294, and 304 that resulted from the inability of the PatentIn™ program to translate SEQ ID NOs: 5, 59, 79, 111, 121, 137, 151, 161, 293, and 303 because of the presence of the non-standard nucleotides in these sequences.

Applicants respectfully submit that the Substitute Sequence Listing provided herewith includes the corresponding descriptions of the non-standard nucleotides as miscellaneous features for the appropriate SEQ ID NOs. consistent with the usages of "k", "m", "n", "r", "s", "w", and "y" in Table 1: List of Nucleotides found in M.P.E.P. Chapter 2400. Applicants respectfully submit that since the descriptions added to

the Substitute Sequence Listing are consistent with Table 1 of Chapter 2400, no new matter has been added to the Substitute Sequence Listing.

Deposit Account

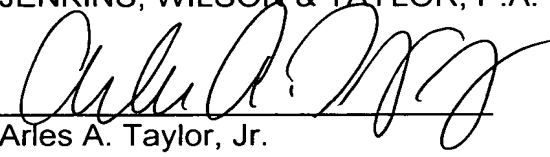
The Commissioner is hereby authorized to charge any deficiencies or credit any overpayments in connection with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

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